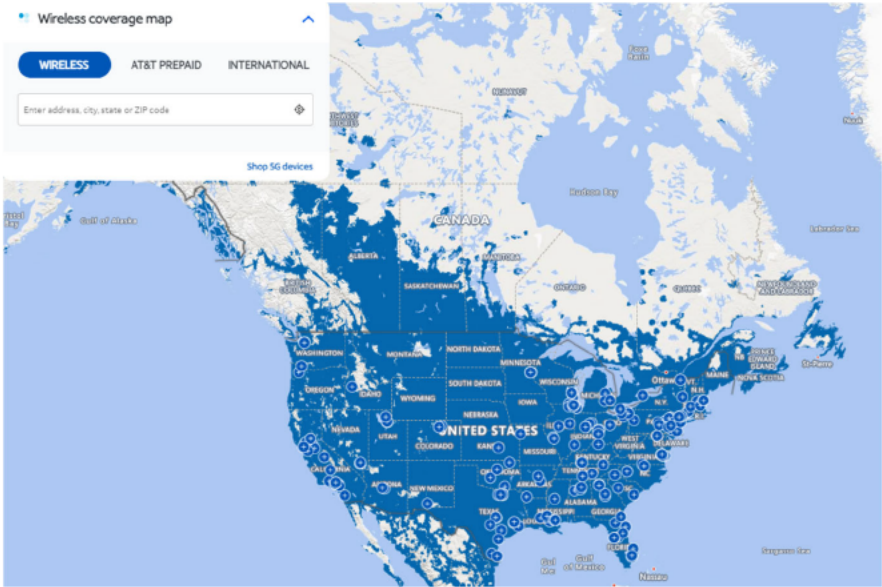



EXHIBIT 14

U.S. Patent No. 8,307,063

Claim 1	Identification: AT&T Cellular
<p>1[pre] A method for controlling the communication of user data associated, at a plurality of network switches on a network, with a user on the network, the method comprising:</p>	<p>AT&T provides a network including network switches that provide for the control of user high-speed data across the cellular network. AT&T provides various data plans for individuals and families that control communication of user data.</p> <p>See also 1[a]-1[e] below.</p>
<p>1[a] in at least one of the plurality of network switches,</p>	<p>AT&T provides interconnected network switches across the United States to provide cellular service and these switches include at least one network switch for providing a variety of operations to control the communication of user high-speed data.</p>  <p>The image is a screenshot of the AT&T Wireless coverage map. It shows a map of the United States with blue circles indicating service areas. The map includes state names and major cities. The interface has a search bar at the top with the text 'Enter address, city, state or ZIP code' and a 'Shop 5G devices' link. The map is titled 'Wireless coverage map' and has tabs for 'WIRELESS', 'AT&T PREPAID', and 'INTERNATIONAL'.</p> <p>Source: https://www.att.com/maps/wireless-coverage.html</p>

Claim 1	Identification: AT&T Cellular
	<div data-bbox="585 297 1656 1232"> <p>The screenshot displays the AT&T PREPAID coverage map interface. At the top, there are tabs for 'WIRELESS', 'AT&T PREPAID' (which is selected), and 'INTERNATIONAL'. Below these tabs is a search bar labeled 'Enter address, city, state or ZIP code'. A link 'Shop 5G devices' is also visible. The map itself shows the United States, Canada, and parts of Mexico. The United States is predominantly colored dark blue, indicating 'Domestic Coverage'. Canada and parts of Mexico are colored green, indicating 'Partner Coverage'. A legend at the bottom of the map shows four categories: '5G+ available' (blue circle with a plus), 'Domestic Coverage' (dark blue square), 'Partner Coverage' (green square), and 'No coverage' (white square). The map also shows various geographical features like the Gulf of Alaska, Gulf of Mexico, and the Atlantic Ocean, as well as major cities and state/province boundaries.</p> </div> <p data-bbox="590 1235 1337 1271">Source: https://www.att.com/maps/wireless-coverage.html</p>

Claim 1	Identification: AT&T Cellular
<p>1[b] accessing user profile information of the user, wherein the user profile information comprises at least a data volume allowance for the user;</p>	<p>AT&T maintains a user profile that includes a user's high-speed data volume allowance that is accessed by a network switch.</p> <ul style="list-style-type: none"> • Data: Shows internet, app, and iMessage or Advanced messaging used on the AT&T mobile network • Hotspot: Shows hotspot usage on the AT&T mobile network. • Text: Displays SMS or MMS messages sent or received over the AT&T mobile network • Talk: Shows incoming and outgoing calls made over the AT&T mobile network • Mobile purchases: Displays individual purchases made by line <p>Source: https://www.att.com/support/article/wireless/KM1009269/</p> <p>View your AT&T Prepaid usage details</p> <ol style="list-style-type: none"> 1. Go to att.com/myprepaid. 2. Find Account History and select Start and End dates. You can select up to 30 days at a time. 3. Choose a History Type. 4. Select Submit or Export to PDF. <p>Source: https://www.att.com/support/article/wireless/KM1001894/</p> <p>Smart Limits</p> <hr/> <p>Details </p> <p>Provide your children with the freedom and security of a mobile phone while setting sensible boundaries.</p> <ul style="list-style-type: none"> • Block unwanted calls and texts: Specify up to 30 blocked numbers plus calls to 411. • Limit texting and data usage: Set monthly limits for web browsing/data usage per billing cycle. Set monthly limits for number of text messages per billing cycle. • Limit Purchases: Limit monthly purchases, such as apps and games that are direct-billed to your AT&T account. Please note that this does not restrict credit card purchases from smartphone app stores. • Limit phone use by times of day: Restrict texting, browsing and outbound calling during specified times of day. Designate allowed numbers regardless of other restrictions – up to 15 numbers. <p><small>Note: Smart Limits can be used to limit/restrict texting and data usage on most AT&T mobile devices, but cannot be used to set specific monthly limits for minutes or MMS messages. All incoming calls are allowed at all times, including during time restrictions, except from numbers you designate as "Blocked Numbers." Smart Limits is not available on prepaid phones, tablets or corporate-liable accounts. Smart Limits does not work for limiting/restricting data usage on non-LTE BlackBerry devices, or while user is in Wi-Fi mode. Accuracy of data limits/restrictions is not guaranteed due to network and other technical limitations. Other restrictions and limitations apply. See att.com/smartlimits for complete details.</small></p> <p>Source: https://m.att.com/shopmobile/wireless/features/smart-limits.html</p> <p>See also 1[c], 1[d] below.</p>

Claim 1	Identification: AT&T Cellular
<p>1[c] monitoring a volume of data used by the user over the network regardless of which of a plurality of devices the user uses to access the at least one of the plurality of network switches;</p>	<p>AT&T provides a network switch that monitors high-speed data volume usage over the network regardless of which device is used to access the network switches.</p> <ul style="list-style-type: none"> • Data: Shows internet, app, and iMessage or Advanced messaging used on the AT&T mobile network • Hotspot: Shows hotspot usage on the AT&T mobile network. • Text: Displays SMS or MMS messages sent or received over the AT&T mobile network • Talk: Shows incoming and outgoing calls made over the AT&T mobile network • Mobile purchases: Displays individual purchases made by line <p>Source: https://www.att.com/support/article/wireless/KM1009269/</p> <p>View your AT&T Prepaid usage details</p> <ol style="list-style-type: none"> 1. Go to att.com/myprepaid. 2. Find Account History and select Start and End dates. You can select up to 30 days at a time. 3. Choose a History Type. 4. Select Submit or Export to PDF. <p>Source: https://www.att.com/support/article/wireless/KM1001894/</p> <p>See also 1[d] below.</p>

1[d] controlling the communication of user data on the network by permitting said communication of user data through the plurality of switches while the volume of data used by the user is within the data volume allowance for the user, and;

AT&T permits communication over the network of high-speed data (user data) using switches while the high-speed data volume is within the data volume allowance for the user (whether it is set by the user's plan or by the user of the plan).

Plans for every need
Explore our wireless plans to find the one that fits you best.

Unlimited plans (5) | More plans (2)

Top features included with every unlimited plan

- Unlimited talk, text, and data in and between the U.S., Canada, and Mexico
- Access AT&T 5G. Fast. Reliable. Secure.
- AT&T ActiveArmor™ mobile security
- Unlimited texting from the U.S. to 200+ countries

Use our calculator to get a preview of what you'll pay

Step 1
How many people are on your account? Select a line for each of them (up to 5).

1 2 3 4 5

Step 2
Add plans in the next section to start estimating your monthly costs.

Total \$0.00/mo.
(plus taxes and fees)

Our best plan

AT&T Unlimited Premium™ plan
\$50.00/mo. when you get 4 lines
Select plan

Here's what you'll get:

- Unlimited talk, text, & high-speed data that can't slow down based on how much you use
- AT&T ActiveArmor™ advanced mobile security. Free app with Public Wi-Fi Protection, Identity Monitoring, and more.
- 30GB hotspot data per line per month
- Unlimited talk, text & high-speed data in 19 Latin American countries. No extra cost.
- 4K UHD streaming available
- Signature Program members save up to \$10/mo. per line through your work or organization

AT&T Unlimited Extra® plan
\$40.00/mo. when you get 4 lines
Select plan

Here's what you'll get:

- Unlimited talk, text, data + 50GB of Premium Data. After 50GB, AT&T may temporarily slow data speeds if the network is busy.
- AT&T ActiveArmor™ advanced mobile security. Free app with Public Wi-Fi Protection, Identity Monitoring, and more.
- 15GB hotspot data per line per month
- Standard-definition streaming

AT&T Unlimited Starter® plan
\$35.00/mo. when you get 4 lines
Select plan

Here's what you'll get:

- Unlimited talk, text & data. AT&T may temporarily slow data speeds if the network is busy.
- AT&T ActiveArmor™ mobile security. Free app with Spam Call Blocking and more.
- 3GB hotspot data per line per month
- Standard-definition streaming

Prices below after discount with eligible Autopay and paperless billing. Discounts start with a 20% bonus and feature extra. Add'l charges, usage taxes & other fees apply. [Sign up for details](#)

Source: <https://www.att.com/plans/wireless/>

Explore wireless
Plans & prices
Phones & devices
Upgrade
Bring your own
Accessories
Wireless deals

Plans for every need

Explore our wireless plans to find the one that fits you best.

Unlimited plans (3)
More plans (2)

Use our calculator to get a preview of what you'll pay

Step 1

How many people are on your account? Select a line for each of them (up to 5 for AT&T 4GB plan).

1
2
3
4
5

✓
✓

Step 2

Add plans in the next section to start estimating your monthly costs.

Total **\$0.00** /mo

plus taxes and fees

Continue

Prices below after discount with eligible Autoplay and paperless billing. Discounts start within 2 bills. Taxes and fees extra. Add charges, usage, speed & other restrictions. [See offer details](#)

★ **Eligible for 1 line**

AT&T Value Plus plan

N/A

Eligible for 1 line only

Here's what you'll get: ^

- Unlimited talk, text & data
AT&T may temporarily slow data speeds if the network is busy.
- 5G access included
- AT&T ActiveArmor™ mobile security ⓘ
Free app with Spam Call Blocking and more.
- Unlimited talk, text and data in and between the US, Canada, and Mexico.
2G off net data speeds may apply.
- Unlimited texting from U.S. to 200+ countries
- Standard-definition streaming

AT&T 4GB plan

\$45.00 /mo.

when you get 2 lines

Here's what you'll get: ^

- Unlimited talk, text and 4GB of data per line in the US, Canada, and Mexico
Roaming may be at 2G speeds.
- Mobile Hotspot
- AT&T ActiveArmor™ mobile security ⓘ
Free app with Spam Call Blocking and more.
- Standard-definition streaming
- Unlimited texting from U.S. to 200+ countries
- Eligible for Signature Program discount through your work or organization

Source: <https://www.att.com/plans/wireless/>


12-month plan

Get unlimited data for \$25/mo.

Enjoy our best price on AT&T Prepaid® Unlimited when you pay for the year in advance—online only.

After 16GB, speeds slowed to max 1.5Mbps for the month.
Reqs new single line and \$300 prepayment. Taxes extra. Terms & restr's apply.
[See details](#)

[Add to cart](#)




Double data

Get 16GB for \$33/mo.

With 8GB hotspot data when you pay \$99 for three months in advance.

Ends 10/17/2023. Reg. 8GB/mo. Requires new single line and \$99 in advance for 3 months of service. Taxes and fees extra. Terms & restrictions apply. [See offer details](#)

[Add to cart](#)



Source: <https://www.att.com/prepaid/>

	<p>AT&T PREPAIDSM 8GB 12-month</p> <p>✓ Online offer</p> <p>✓ 8GB of high-speed data per month After allotted high-speed data is used, data speeds slow to a maximum of 128Kbps for the rest of the term. See AT&T broadband info</p> <p>✓ Stream HD video Watch your favorite videos in stunning high definition (up to 1080p), when available, with Stream Saver[®] turned off.</p> <p>✓ Unlimited text to over 230 countries.</p> <p>✓ Use talk, text & data in Mexico and Canada Roaming data may be at 2G speed.</p> <p>Source: https://www.att.com/buy/wireless/prepaid/plandetails</p>
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ALL UNLIMITED PLANS: All AT&T wireless services subject to terms and conditions in the Consumer Service Agreement (att.com/csa). **Other Non-Phone Device Monthly Charges:** \$20 per tablet, \$20 per camera; \$10 per wearable. If no phone line, first standalone non-phone device will be billed at phone single line pricing. Advertised monthly price includes monthly plan charge for talk, text and data & monthly per-line phone access charge for access to such services. **OTHER RESTRICTIONS & FEES:** Activation/upgrade fee per line (up to \$50) & deposit may apply. Credit, debit or reloadable prepaid card may be required (except in MA, PA and ND). **AUTOPAY & PAPERLESS BILL DISCOUNT:** \$10/mo. per phone line discount req's an active account enrolled in both Paperless Billing and AutoPay with debit card or bank account. Discount reduced to \$5/mo. per phone line when Autopay enrolled with credit card. Discount starts w/in 2 bill cycles. Pay full plan cost until discount starts. **AT&T employees, retirees & IMO consumers are not eligible for the AutoPay and Paperless bill discount.** **UNLIMITED DATA:** For use in the United States (the "Domestic Coverage Area" or "DCA"), Mexico and Canada. 2G off-net data speeds may apply. All AT&T service is subject to AT&T network management policies. See att.com/broadbandinfo for details. **UNLIMITED TALK:** Phones only. Includes calls w/in and between DCA, Mexico & Canada. You may be charged for calls to special or premium service numbers and calls to other countries. For rates, see att.com/intlcalling. **UNLIMITED TEXT:** Compatible phone and rate plan required. Includes unlimited messages up to 1MB in size within and from DCA, Mexico and Canada. For texting to other countries, see att.com/text2world. Messages sent through applications may incur data or other charges. **Advanced Messaging:** Not available for use in Mexico and Canada. Other restrictions apply & can be found at att.com/advancedmessaging. **5G SERVICE:** Requires a compatible 5G device. Coverage not available everywhere. See att.com/5Gforyou for details. **LIMITS:** Max 10 devices on Unlimited Your Way plan group. These plans may not be eligible for additional discounts, including but not limited to Signature discounts. AT&T employees & retirees may not be eligible for certain benefits, offers, and discounts associated with these plans.

ADDITIONAL MONTHLY FEES & TAXES: Apply per line & include Regulatory Cost Recovery Fee (up to \$1.50), Administrative Fee (\$1.99) & other fees which are not government-required surcharges as well as taxes. Additional one-time Fees may apply. See att.com/mobilityfees for more details.

AT&T UNLIMITED STARTER® PLAN: Phones only. For all data usage, AT&T may temporarily slow data speeds if the network is busy. **VIDEO STREAMING:** Video typically streams at standard-definition. Content bundled with video may be slow to load. Details at att.com/VideoFeature. **ActiveArmorSM mobile security:** Compatible device required. You must download the AT&T ActiveArmor app and accept its terms and conditions for full app functionality. May not detect all threats. May inadvertently block wanted calls; settings can be adjusted in the app. Details at <https://www.att.com/activearmor>. **PERSONAL HOTSPOT:** Requires compatible device. Includes up to 3GB per line per month. After 3GB, hotspot speed slowed to max of 128Kbps for the rest of bill cycle. After this, hotspot usage will be impacted and not fully functional.

AT&T UNLIMITED EXTRA® PLAN: Phones only. 50 GB of Premium Data. After 50GB of data usage on a line in a bill cycle, for the remainder of the cycle AT&T may temporarily slow data speeds on that line if the network is busy. **VIDEO STREAMING:** Video typically streams at standard-definition. Content bundled with video may be slow to load. Details at att.com/VideoFeature. **ActiveArmorSM advanced mobile security:** Compatible device required. You must download the AT&T ActiveArmor app and accept its terms and conditions for full app functionality. May not detect all threats. May inadvertently block wanted calls; settings can be adjusted in the app. **Identity Monitoring:** May not detect all compromises or leaks of your personal data. **Public Wi-Fi Protection:** Requires setup; the feature is automatically enabled when your device joins a public (unencrypted) Wi-Fi network unless an alternate VPN service is active. Does not work when using certain video streaming apps or Wi-Fi calling on certain devices. Does not work while roaming internationally. Details at <https://www.att.com/activearmor>. **PERSONAL HOTSPOT:** Requires compatible device. Includes up to 15GB per line per month. After 15GB, hotspot speed slowed to max of 128Kbps for the rest of bill cycle. After this, hotspot usage will be impacted and not fully functional.

AT&T UNLIMITED PREMIUM® PLAN: Plan avail. in select locations only. Phones only. **VIDEO STREAMING:** Video typically streams at standard-definition. Content bundled with video may be slow to load. Go to att.com/myatt to change your settings to view in higher definition. Details at att.com/VideoFeature. **ActiveArmorSM advanced mobile security:** Compatible device required. You must download the AT&T ActiveArmor app and accept its terms and conditions for full app functionality. May not detect all threats. May inadvertently block wanted calls; settings can be adjusted in the app. **Identity Monitoring:** May not detect all compromises or leaks of your personal data. **Public Wi-Fi Protection:** Requires setup; the feature is automatically enabled when your device joins a public (unencrypted) Wi-Fi network unless an alternate VPN service is active. Does not work when using certain video streaming apps or Wi-Fi calling on certain devices. Does not work while roaming internationally. Details at <https://www.att.com/activearmor>. **PERSONAL HOTSPOT:** Requires compatible device. Includes up to 50GB per line per month. After 50GB, hotspot speed slowed to max of 128Kbps for the rest of bill cycle. After this, hotspot data usage will be impacted and not fully functional.


Source: <https://www.att.com/plans/wireless/>

TABLETS ADD-ON: AT&T wireless services, including data services, are subject to terms and conditions in Consumer Service Agreement (att.com/csa) and the Wireless Data Services (att.com/dcpp). **Phone line required to add tablet device. Plan Pricing:** \$20/mo. **If no phone line, first standalone non-phone device will be billed at phone single line pricing for Unlimited Starter Plan. Eligibility:** Consumer only plan. **For all data usage, AT&T may temporarily slow data speeds if the network is busy. VIDEO STREAMING:** Video typically streams at standard-definition. Content bundled with video may be slow to load. Details at att.com/VideoFeature. **PERSONAL HOTSPOT:** 15GB hotspot per line per month. After 15GB, hotspot speed slowed to max of 128Kbps for the rest of bill cycle. After this, hotspot data usage will be impacted and not fully functional. **International Roaming:** Monthly plan prices do not apply to data usage while roaming. If roaming outside the DCA, Mexico or Canada international data usage will be charged at pay-per-use rates, found at att.com/ppurates, unless an international data package is added. For available international options, go to att.com/global. Not all devices may be eligible for international roaming service.

AT&T 4GB PLAN: All AT&T wireless services subject to terms and conditions in the Consumer Service Agreement (att.com/csa). 4 GB data per line. Phone required. Advertised monthly price includes monthly plan charge for talk, text and data & monthly per-line phone access charge for access to such services. **Other Non-Phone Device Monthly Charges:** \$20 per tablet; \$10 per wearable. Phone line required to add non-phone device. If no phone line, first standalone non-phone device will be billed at phone single line pricing. **OTHER RESTRICTIONS & FEES:** Activation/upgrade fee per line (up to \$50) & deposit may apply. **AUTOPAY & PAPERLESS BILL DISCOUNT:** Effective 10/2/23, \$10/mo. per phone line discount req's an active account enrolled in both Paperless Billing and AutoPay with debit card or bank account. Discount reduced to \$5/mo. per phone line when customer is enrolled in Paperless Billing and AutoPay enrolled with credit card. Discount starts w/in 2 bill cycles. Pay full plan cost until discount starts. AT&T employees, retirees & IMO consumers are not eligible for the AutoPay and Paperless bill discount. **Card on File:** Credit, debit or reloadable prepaid card may be required (except in MA, PA and ND). **Data:** For phones and Apple wearable only. **Compatible Device required.** For use in the United States (the "Domestic Coverage Area" or "DCA"), Mexico and Canada only. **Data Overage:** If you exceed the amount of data in your plan or other allotments during your billing period, additional data will automatically be provided in increments of 2GB for \$10 each. Unless otherwise specified, data allowances, including overages, must be used in the billing period provided or they will be forfeited. **Tethering and Mobile Hotspot:** Use for up to five (5) simultaneous devices. **Tethering requires compatible device.** Phones, tablets, and Apple wearables only. Compatible device required. Includes calls w/in and between DCA, Mexico & Canada. You may be charged for calls to special or premium service numbers and calls to other countries. For rates, see att.com/worldconnect. **VIDEO STREAMING:** Plan does not include the Video Management feature. We aim to render streaming video in standard-definition (max speed of 2 Mbps for customers on both a 5G compatible device and rate plan, or 1.5 Mbps for other customers) though some video cannot be identified. Sometimes, other content that content providers bundle with streaming video may be impacted and slowed, including downloads. In certain situations, we may deliver video content faster or at higher definition. Details at att.com/VideoFeature. **AT&T ActiveArmorSM mobile security:** Requires compatible device and download of ActiveArmor App & acceptance of terms of service. May inadvertently block wanted calls; settings can be adjusted in-app. May not detect all threats. Data charges may apply to app download/usage. Details at <https://www.att.com/security/security-apps/>. **UNLIMITED TEXT:** For phones and Apple wearable only. Compatible device and rate plan required. Includes unlimited messages up to 1MB in size within and from DCA, Mexico and Canada. For texting to other countries, see att.com/text2world. Messages sent through applications may incur data or other charges. Advanced Messaging: Not available for use in Mexico and Canada. Other restrictions apply & can be found at att.com/advancedmessaging. **LIMITS:** Select devices only (sold separately). Max 10 devices/plan. AT&T Wireless Home Phone & Internet, select Wireless Home Phone devices, dedicated mobile hotspot devices, Connected Car, cameras, and select laptop air cards are not eligible for these plans. These plans may not be eligible for additional discounts, including but not limited to Signature discounts. AT&T employees & retirees may not be eligible for certain benefits, offers, and discounts associated with these plans.

AT&T VALUE PLUSSM PLAN : All AT&T wireless services subject to terms and conditions in the Consumer Service Agreement (att.com/csa). Advertised monthly price includes monthly plan charge for talk, text and data & monthly per-line phone access charge for access to such services. **LIMITS:** Phones only (sold separately). Max 1 phone line. **OTHER RESTRICTIONS & FEES:** Activation/upgrade fee per line (up to \$50) & deposit may apply. **AUTOPAY & PAPERLESS BILL DISCOUNT:** Effective 10/2/23, \$10/mo. per phone line discount req's an active account enrolled in both Paperless Billing and AutoPay with debit card or bank account. Discount reduced to \$5/mo. per phone line when customer is enrolled in Paperless Billing and AutoPay enrolled with credit card. Discount starts w/in 2 bill cycles. Pay full plan cost until discount starts. AT&T employees, retirees & IMO consumers are not eligible for the AutoPay and Paperless bill discount. **Card on File:** Credit, debit or reloadable prepaid card may be required (except in MA, PA and ND). **UNLIMITED DATA:** For use in the United States ("Domestic Coverage Area" or "DCA") Mexico and Canada. **DATA RESTRICTIONS:** For all data usage, AT&T may temporarily slow data speeds if the network is busy. All AT&T service is subject to AT&T network management policies. See att.com/broadbandinfo for details. **5G SERVICE:** Requires a compatible 5G device. Coverage is not available everywhere. See att.com/5Gforyou for details. **VIDEO STREAMING:** Plan does not include the Video Management feature. We aim to render streaming video in standard-definition (max speed of 2 Mbps for customers on both a 5G compatible device and rate plan, or 1.5 Mbps for other customers) though some video cannot be identified. Sometimes, other content that content providers bundle with streaming video may be impacted and slowed, including downloads. In certain situations, we may deliver video content faster or at higher definition. Details at att.com/VideoFeature. **AT&T ActiveArmorSM mobile security:** Requires compatible device and download of ActiveArmor App & acceptance of terms of service. May inadvertently block wanted calls; settings can be adjusted in-app. May not detect all threats. Data charges may apply to app download/usage. Details at <https://www.att.com/security/security-apps/>. **UNLIMITED TALK:** Includes calls w/in and between the DCA and Mexico. You may be charged for calls to special or premium service numbers and calls to other countries. For rates, see att.com/intcalling. **UNLIMITED TEXT:** Compatible rate plan required. Includes unlimited messages up to 1MB in size within and from DCA, Canada and Mexico. For texting to other countries, see att.com/text2world. Messages sent through applications may incur data or other charges. Advanced Messaging: Not available for use in Mexico and Canada. Other restrictions apply & can be found at att.com/advancedmessaging. These plans may not be eligible for additional discounts, including but not limited to Signature discounts. AT&T employees & retirees may not be eligible for certain benefits, offers, and discounts associated with these plans.

Source: <https://www.att.com/plans/wireless/>


Claim 1	Identification: AT&T Cellular
	<p data-bbox="594 264 779 293">Smart Limits</p> <hr data-bbox="594 305 1795 308"/> <p data-bbox="594 321 638 337">Details </p> <p data-bbox="594 378 1077 391">Provide your children with the freedom and security of a mobile phone while setting sensible boundaries.</p> <ul data-bbox="615 404 1562 467" style="list-style-type: none"> • Block unwanted calls and texts: Specify up to 30 blocked numbers plus calls to 411. • Limit texting and data usage: Set monthly limits for web browsing/data usage per billing cycle. Set monthly limits for number of text messages per billing cycle. • Limit Purchases: Limit monthly purchases, such as apps and games that are direct-billed to your AT&T account. Please note that this does not restrict credit card purchases from smartphone app stores. • Limit phone use by times of day: Restrict texting, browsing and outbound calling during specified times of day. Designate allowed numbers regardless of other restrictions – up to 15 numbers. <p data-bbox="594 477 1787 524">Note: Smart Limits can be used to limit/restrict texting and data usage on most AT&T mobile devices, but cannot be used to set specific monthly limits for minutes or MMS messages. All incoming calls are allowed at all times, including during time restrictions, except from numbers you designate as "Blocked Numbers." Smart Limits is not available on prepaid phones, tablets or corporate-liable accounts. Smart Limits does not work for limiting/restricting data usage on non-LTE BlackBerry devices, or while user is in Wi-Fi mode. Accuracy of data limits/restrictions is not guaranteed due to network and other technical limitations. Other restrictions and limitations apply. See att.com/smartlimits for complete details.</p> <p data-bbox="594 570 1522 602">Source: https://m.att.com/shopmobile/wireless/features/smart-limits.html</p>

<p>1[e] preventing said communication of user data if the volume of data used by the user reaches or exceeds the data volume allowance for the user.</p>	<p>AT&T prevents the communication of high-speed data (user data) when the high-speed data volume exceeds the high-speed data volume allowance for the user. Additionally, AT&T may prevent the communication altogether.</p> <p>5.2 UE procedure for reporting channel state information (CSI)</p> <p>5.2.1 Channel state information framework</p> <p>The procedures on aperiodic CSI reporting described in this clause assume that the CSI reporting is triggered by DCI format 0_1, but they equally apply to CSI reporting triggered by DCI format 0_2, by applying the higher layer parameter <i>reportTriggerSizeDCI-0-2</i> instead of <i>reportTriggerSize</i>.</p> <p>The time and frequency resources that can be used by the UE to report CSI are controlled by the gNB. CSI may consist of Channel Quality Indicator (CQI), precoding matrix indicator (PMI), CSI-RS resource indicator (CRI), SS/PBCH Block Resource indicator (SSBRI), layer indicator (LI), rank indicator (RI), L1-RSRP, L1-SINR or CapabilityIndex.</p> <p>For CQI, PMI, CRI, SSBRI, LI, RI, L1-RSRP, L1-SINR, CapabilityIndex a UE is configured by higher layers with $N \geq 1$ <i>CSI-ReportConfig</i> Reporting Settings, $M \geq 1$ <i>CSI-ResourceConfig</i> Resource Settings, and one or two list(s) of trigger states (given by the higher layer parameters <i>CSI-AperiodicTriggerStateList</i> and <i>CSI-SemiPersistentOnPUSCH-TriggerStateList</i>). Each trigger state in <i>CSI-AperiodicTriggerStateList</i> contains a list of associated <i>CSI-ReportConfigs</i> indicating the Resource Set IDs for channel and optionally for interference. Each trigger state in <i>CSI-SemiPersistentOnPUSCH-TriggerStateList</i> contains one associated <i>CSI-ReportConfig</i>.</p> <p>Source: 3GPP TS 38.214 V17.5.0 p. 66.</p> <p>5.1.3.1 Modulation order and target code rate determination</p> <p>For the PDSCH scheduled by a PDCCH with DCI format 1_0, format 1_1, format 1_2, format 4_0, format 4_1 or format 4_2 with CRC scrambled by C-RNTI, MCS-C-RNTI, TC-RNTI, CS-RNTI, SI-RNTI, RA-RNTI, MSGB-RNTI, G-RNTI, G-CS-RNTI, MCCH-RNTI or P-RNTI, or for the PDSCH scheduled without corresponding PDCCH transmissions using the higher-layer-provided PDSCH configuration SPS-Config, ...</p>
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Table 5.1.3.1-1: MCS index table 1 for PDSCH

MCS Index I_{MCS}	Modulation Order Q_m	Target code Rate $R \times [1024]$	Spectral efficiency
0	2	120	0.2344
1	2	157	0.3066
2	2	193	0.3770
3	2	251	0.4902
4	2	308	0.6016
5	2	379	0.7402
6	2	449	0.8770
7	2	526	1.0273
8	2	602	1.1758
9	2	679	1.3262
10	4	340	1.3281
11	4	378	1.4766
12	4	434	1.6953
13	4	490	1.9141
14	4	553	2.1602
15	4	616	2.4063
16	4	658	2.5703
17	6	438	2.5664
18	6	466	2.7305
19	6	517	3.0293
20	6	567	3.3223
21	6	616	3.6094
22	6	666	3.9023
23	6	719	4.2129
24	6	772	4.5234
25	6	822	4.8164
26	6	873	5.1152
27	6	910	5.3320
28	6	948	5.5547
29	2	reserved	
30	4	reserved	
31	6	reserved	

Source: 3GPP TS 38.214 V17.5.0 pp. 30-35.

Claim 1	Identification: AT&T Cellular
	<p data-bbox="594 264 777 293">Smart Limits</p> <p data-bbox="594 321 638 337">Details </p> <p data-bbox="594 378 1075 391">Provide your children with the freedom and security of a mobile phone while setting sensible boundaries.</p> <ul data-bbox="615 404 1560 467" style="list-style-type: none"> • Block unwanted calls and texts: Specify up to 30 blocked numbers plus calls to 411. • Limit texting and data usage: Set monthly limits for web browsing/data usage per billing cycle. Set monthly limits for number of text messages per billing cycle. • Limit Purchases: Limit monthly purchases, such as apps and games that are direct-billed to your AT&T account. Please note that this does not restrict credit card purchases from smartphone app stores. • Limit phone use by times of day: Restrict texting, browsing and outbound calling during specified times of day. Designate allowed numbers regardless of other restrictions – up to 15 numbers. <p data-bbox="594 477 1785 524">Note: Smart Limits can be used to limit/restrict texting and data usage on most AT&T mobile devices, but cannot be used to set specific monthly limits for minutes or MMS messages. All incoming calls are allowed at all times, including during time restrictions, except from numbers you designate as "Blocked Numbers." Smart Limits is not available on prepaid phones, tablets or corporate-liable accounts. Smart Limits does not work for limiting/restricting data usage on non-LTE BlackBerry devices, or while user is in Wi-Fi mode. Accuracy of data limits/restrictions is not guaranteed due to network and other technical limitations. Other restrictions and limitations apply. See att.com/smartlimits for complete details.</p> <p data-bbox="594 568 1522 597">Source: https://m.att.com/shopmobile/wireless/features/smart-limits.html</p> <p data-bbox="619 641 1803 735">AT&T UNLIMITED STARTER® PLAN: Phones only. For all data usage, AT&T may temporarily slow data speeds if the network is busy. VIDEO STREAMING: Video typically streams at standard-definition. Content bundled with video may be slow to load. Details at att.com/VideoFeature. ActiveArmorSM mobile security: Compatible device required. You must download the AT&T ActiveArmor app and accept its terms and conditions for full app functionality. May not detect all threats. May inadvertently block wanted calls; settings can be adjusted in the app. Details at https://www.att.com/activearmor. PERSONAL HOTSPOT: Requires compatible device. Includes up to 3GB per line per month. After 3GB, hotspot speed slowed to max of 128Kbps for the rest of bill cycle. After this, hotspot usage will be impacted and not fully functional.</p> <p data-bbox="619 751 1803 901">AT&T UNLIMITED EXTRA® PLAN: Phones only. 50 GB of Premium Data. After 50GB of data usage on a line in a bill cycle, for the remainder of the cycle AT&T may temporarily slow data speeds on that line if the network is busy. VIDEO STREAMING: Video typically streams at standard-definition. Content bundled with video may be slow to load. Details at att.com/VideoFeature. ActiveArmorSM advanced mobile security: Compatible device required. You must download the AT&T ActiveArmor app and accept its terms and conditions for full app functionality. May not detect all threats. May inadvertently block wanted calls; settings can be adjusted in the app. Identity Monitoring: May not detect all compromises or leaks of your personal data. Public Wi-Fi Protection: Requires setup; the feature is automatically enabled when your device joins a public (unencrypted) Wi-Fi network unless an alternate VPN service is active. Does not work when using certain video streaming apps or Wi-Fi calling on certain devices. Does not work while roaming internationally. Details at https://www.att.com/activearmor. PERSONAL HOTSPOT: Requires compatible device. Includes up to 15GB per line per month. After 15GB, hotspot speed slowed to max of 128Kbps for the rest of bill cycle. After this, hotspot usage will be impacted and not fully functional.</p> <p data-bbox="619 917 1803 1047">AT&T UNLIMITED PREMIUM® PLAN: Plan avail. in select locations only. Phones only. VIDEO STREAMING: Video typically streams at standard-definition. Content bundled with video may be slow to load. Go to att.com/myatt to change your settings to view in higher definition. Details at att.com/VideoFeature. ActiveArmorSM advanced mobile security: Compatible device required. You must download the AT&T ActiveArmor app and accept its terms and conditions for full app functionality. May not detect all threats. May inadvertently block wanted calls; settings can be adjusted in the app. Identity Monitoring: May not detect all compromises or leaks of your personal data. Public Wi-Fi Protection: Requires setup; the feature is automatically enabled when your device joins a public (unencrypted) Wi-Fi network unless an alternate VPN service is active. Does not work when using certain video streaming apps or Wi-Fi calling on certain devices. Does not work while roaming internationally. Details at https://www.att.com/activearmor. PERSONAL HOTSPOT: Requires compatible device. Includes up to 50GB per line per month. After 50GB, hotspot speed slowed to max of 128Kbps for the rest of bill cycle. After this, hotspot data usage will be impacted and not fully functional.</p> <p data-bbox="594 1092 1152 1122">Source: https://www.att.com/plans/wireless/</p> <p data-bbox="594 1166 850 1195">See also 1[d] above.</p>